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## Preface

This work, *Lung Cancer, Volume 2: Diagnostic and Therapeutic Methods and Reviews*, in the *Methods in Molecular Medicine* series presents an overview of the current status of those methods useful in the diagnosis and treatment of lung cancer—both as it exists in the clinic and as it is being revolutionized in the laboratory. The book is intended to serve as a resource for researchers wishing to increase their knowledge of current and cutting edge technologies, in order that their investigations into neoplasms of the lung may benefit from this enriched diversity of techniques and approaches.

Owing to the complex nature of the disease and the variety of methods available to analyze and attack it, no volume attempting to define diagnostic and therapeutic approaches to lung cancer can ever be complete. The sheer number of investigators involved in lung cancer research guarantees that some aspect will be inadvertently excluded. However, I hope that the range of techniques included herein will serve to open up new avenues of investigation for both the novice and experienced researcher.

As with all volumes in the *Methods in Molecular Medicine* series, the reader should find that each methods-based chapter provides clear instructions for the performance of various protocols, supplemented by additional technical notes that provide valuable insight. These notes should offer the reader a perspective on the skills and materials required for performance of both standard and novel techniques. In putting together this volume, one aim was to provide clinicians and laboratory investigators an appreciation of the current status of lung cancer diagnosis and treatment. However, *Lung Cancer, vol. 2* is also a look into the future, with descriptions of novel methods for molecular diagnosis as well as techniques for treatment based on gene therapies, new anticancer approaches, immune therapies, and chemoprevention. Chapters describing the challenges faced by those attempting to employ these new methods should also be of use to those determined to translate basic research from the laboratory to the clinic.

I would like to express my gratitude to the contributors who made this volume possible and for their patience during the period the volume was collated. I am grateful to Professor John Walker for his encouragement and guidance as series editor.

This volume is dedicated to the memory of Richard Mackenzie Brown, Warren Reardon, and Ching-Tuan T'Ang, three fathers, deeply missed.

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Lung Cancer

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Reviews

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